

Hazardous Waste Inspection Report
Generators - Part A18091
Jard
San

TSD

Date of inspection 2-8-91 Time start _____ Time finish _____

Name of inspector Fred Walter

Company, installation name Boyertown Landfill

Location 300 Merkel Rd Gilbertsville, Pa. 19525

County Montgomery Municipality Douglas Twp.

Identification number PA D 1048603005

Name of responsible official Warren Frame

Title President

Mailing address RD 1 Box 360 Glenmoore, Pa. 19343

Area code and telephone number 215-458-5300

Name of person interviewed _____

Title _____

Mailing address (if different from above) _____

Area code and telephone number _____

1. Current waste handling method:

- a. ☒ On-site ☒ treatment, ☒ storage, ☐ disposal ☐ PBR
- b. ☐ On-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim
- c. ☒ Off-site ☒ treatment, ☐ storage, ☒ disposal
- d. ☐ Off-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim

2. Amount of hazardous waste produced:

- a. ~ 10,000 kg./mo.
- b. _____ kg./yr.

3. Types of hazardous waste produced by Hazardous Waste Number and destination facility (include location and type).

Waste Number	Destination Facility	Location and Type
F039 - Multi-source	Berks Montgomery Mun. Auth.	Sewage Treatment Plant, Douglas Twp. Montgomery Co.

Inspection Report Comments

Date of Inspection

2-8-91

Identification Number

PAD 048603005

Company/Facility/Site Name

Boyertown Sanitary Landfill

See TSD report for comments.

Land Ban inspection conducted.

Permission to conduct an inspection
is granted by Mr. Frame & Mr. Kestey.

See ASD comments.

In the "Requirement" Section of this inspection report, each listed inspection item may provide only a brief version of its corresponding obligation as described in the body of the regulations. Please use the Chapter citations listed on this inspection report as a reference to obtain a detailed description of compliance requirements.

This inspection report is official notification that a representative of the Department of Environmental Resources, Bureau of Waste Management, inspected the above installation. The findings of this inspection are shown in this report. This inspection report shall serve a formal notification of any violations which were observed during the inspection. Violations may also be discovered upon examination of the results of laboratory analyses and review of Department records. Additional notification may be forthcoming, concerning any violations indicated herein and listing any additional violations.

This report does not constitute an order or other appealable action of the Department. Nothing contained herein shall be deemed to grant or imply immunity from legal action for any violation noted herein.

Signature by the person interviewed does not necessarily imply concurrence with the findings on this report, but does acknowledge that the person was shown the report or that a copy was left with the person.

Person Interviewed (signature)

Warren X. Frame, Pres.

Date

2-8-91

Inspector (signature)

Fred Walter

Date

2-8-91

Page ____ of ____



Hazardous Waste Inspection Report
TSD Facilities - Part A

Land Ben

Date of inspection 2-8-91 Time start 9:30 Time finish 12:00
Name of inspector Fred Walter
Company, installation name Boyertown Landfill
Location 300 Merbel Rd Gilbertsville, Pa. 19525
County Montgomery Municipality Douglas Twp.
Identification number PA-D048603005
Name of responsible official Warren Frame
Title President
Mailing address RD1 Box 360 Glenmoore, Pa. 19343
Area code and telephone number 215-458-5300
Name of person interviewed John Kessler
Title Plant Manager
Mailing address (if different from above) _____
Area code and telephone number 215-458-5300

1. Site characterization:

- a. ☒ Treatment - ☒ surface impoundments ☐ chemical ☒ physical ☐ biological
b. ☐ Storage - ☐ containers ☐ tanks ☐ surface impoundments ☐ waste piles
c. ☒ Disposal - ☐ land treatment ☐ landfill ☐ incineration ☐ thermal treatment
d. ☐ Use ☐ reuse ☐ recycle ☐ reclaim

2. Does the facility generate hazardous wastes? ☒ Yes ☐ No
Sanitary Sewer (See comments)

3. Types of hazardous waste produced by Hazardous Waste Number:

F039 Multi-source leachate

4. Are hazardous wastes transported off-site by the facility? ☐ Yes ☒ No

Hazardous Waste Inspection Report

TSD Facilities – Landfills

[illegible]

[illegible]

Hazardous Waste Inspection Report
Comments - Part C

Date of Inspection

2-8-91

Identification Number

PAD 048603005

Company, Installation Name

Boyertown Sanitary Landfill

County

Montgomery

Municipality

Douglas Twp.

Permission to conduct an inspection is granted by Mr. Kessler and Mr. Frame. Leachate (FO39) is discharged to a sewer authority - Berks Montgomery Mun. Authority, Douglas Twp., Montgomery County. Daily leachate flow is approx 250-300 G. Weekly discharge volume is ~ 2500 G. Copies of ground water monitoring data should be forwarded to the Dept. as soon as possible.

The 1st (3) qtrs. of '90 have been missed in regards to GWM.

A letter should be forwarded to the Dept. clarifying why the sampling was not conducted.

There is no holding tank (1000 G) The leachate is brought (pumped in) in at 13.92 P.M. and discharged at 13.24 P.M. The drain near the two (2) tanks w/ the Hg float, empties back into the aeration tank where it is pumped back into the system. pH 7.0 for discharged liquid.

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Person Interviewed (signature)

Warren X. Frame, Pres.

Date

2-8-91

Inspector (signature)

Fred Walter

Date

2-8-91

Inspection Report Comments

Date of Inspection 2-8-91 Identification Number PAD 048603005
 Company/Facility/Site Name Bogertown Sanitary L.F.

Leachate is gravity-fed from the
 aeration tanks to the manhole where
 it is pumped to the treatment plant.
 The methane burner is not burning
 at the time of inspection.
 There are a total of 11 GWMW on site.
 ~ 44 A. comprise the landfill.
 The landfill was closed 12-'86.
 There are ~ 125-150 empty tomato
 paste 55 gal drums on site.

In the "Requirement" Section of this inspection report, each listed inspection item may provide only a brief version of its corresponding obligation as described in the body of the regulations. Please use the Chapter citations listed on this inspection report as a reference to obtain a detailed description of compliance requirements.

This inspection report is official notification that a representative of the Department of Environmental Resources, Bureau of Waste Management, inspected the above installation. The findings of this inspection are shown in this report. This inspection report shall serve a formal notification of any violations which were observed during the inspection. Violations may also be discovered upon examination of the results of laboratory analyses and review of Department records. Additional notification may be forthcoming, concerning any violations indicated herein and listing any additional violations.

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Signature by the person interviewed does not necessarily imply concurrence with the findings on this report, but does acknowledge that the person was shown the report or that a copy was left with the person.

Person Interviewed (signature) Wanda K. Frame, Pres Date 2-5-91
 Inspector (signature) Fred Walter Date 2-8-91
 Page ____ of ____

Part B

[illegible]



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

Lee Park
Suite 6010
555 North Lane
Conshohocken, PA 19428

February 14, 1991

Mr. Warren Frame
Boyertown Sanitary Landfill
Route 1 Box 360
Glenmoore, PA 19343

Re: Hazardous Waste Inspection
PAD 048603005 - February 8, 1991
Douglass Township
Montgomery County

NOTICE OF VIOLATION

Dear Mr. Frame:

This letter is to confirm the findings of the Departments referenced inspection of your hazardous waste activities. Requirements for hazardous waste facilities are contained in Chapters 75.260 through 75.270 of the Rules and Regulations of the Department. Violations of applicable sections of these regulations found during our inspection are as follows:

265.92 Sampling and analysis. - After the first year, all monitoring wells shall be sampled and the samples analyzed as follows: (1) Samples collected to establish groundwater quality shall be obtained and analyzed for the parameters specified at least semi-annually. Results of analyses shall be submitted to the Department.

(2) Samples collected to indicate groundwater contamination shall be obtained and analyzed for the parameters specified at least quarterly. Results of analyses shall be submitted to the Department. The first three (3) quarters 1990 and the annual 1990 groundwater monitoring requirements have not been complied with. This groundwater monitoring program should be adhered to and results submitted to the Department in a timely fashion.

You are hereby notified of both the existence of these violations as well as the need to provide for their prompt correction. Toward this end, you are requested to submit to the Department within fourteen (14) days a proposed program and schedule for abatement of these violations. The Department's inspection report contains time periods of completion of remedial actions. These reports are either enclosed or have been previously supplied to you. If your proposed



Mr. Warren Frame
February 14, 1991
- 2 -


abatement program indicates certain corrections cannot be completed within these time periods, you are requested to supply justification for any extensions.

This letter does not waive, either expressly or by implication, the power or authority of the Commonwealth of Pennsylvania to prosecute for any and all violations of law arising prior to or after the issuance of this letter or the conditions upon which the letter is based. This letter shall not be construed so as to waive or impair any rights of the Department of Environmental Resources, heretofore or hereafter existing.

This letter shall also not be construed as a final action of the Department of Environmental Resources.

If you have any questions concerning this matter, please feel free to contact me at the above number.

Very truly yours,



FREDERICK P. WALTER, JR.
Waste Management Specialist

cc: Ms. Kurtz
Compliance
EPA
Division of Compliance & Monitoring
Re 30 (3-1)45.9

Hazardous Waste Inspection Report
TSD Facilities - Part A

/LAND BAN /CEI

Date of inspection 8-7-90 Time start 1:00 Time finish _____
 Name of inspector Carol Kurtz
 Company, installation name Boyerstown Landfill
 Location 300 Merkel Rd, Gilbertsville, PA 19525
 County Mont. Co Municipality Houglass Twp
 Identification number PA0048603005
 Name of responsible official Warren Frame
 Title President
 Mailing address RD #1 Box 360, Greenmore, PA 19343
 Area code and telephone number 215-458-5300
 Name of person interviewed John Kessler
 Title _____
 Mailing address (if different from above) _____
 Area code and telephone number _____

1. Site characterization:

- a. ☒ Treatment - ☒ surface impoundments ☐ chemical ☒ physical ☐ biological
 b. ☐ Storage - ☐ containers ☐ tanks ☐ surface impoundments ☐ waste piles
 c. ☒ Disposal - ☐ land treatment ☐ landfill ☐ incineration ☐ thermal treatment
 → sanitary sewer
 d. ☐ Use ☐ reuse ☐ recycle ☐ reclaim

2. Does the facility generate hazardous wastes? ☒ Yes ☐ No

3. Types of hazardous waste produced by Hazardous Waste Number:

FO39 multi-source leachate

4. Are hazardous wastes transported off-site by the facility? ☐ Yes ☒ No

Discharged directly to sewer authority

[illegible]

Hazardous Waste Inspection Report
Comments - Part C

Date of Inspection 8-7-90 Identification Number PA0048603005
Company, Installation Name Bayertown Landfill
County Montgomery Municipality Douglas Twp.

Landfill is closed but generates a multi-source leachate which is treated on site and then discharged to a sewer authority.

Land has inspection conducted. Since waste is discharged to sewer authority, no "paperwork" or certifications are needed.

Treatment process is as follows:
Raw leachate flows into lagoon; waste is then pumped into an aerator; waste then is pumped through a series of carbon columns (2) and then pumped to an air stripping tower. It is discharged into 1 of 2 lagoons. Approximately 1 time a week the lagoon is discharged to the Berks Montgomery Municipal Authority located in Douglas Twp, Mont. Co.

Daily leachate flow is appx 250 to 300 gal.
Weekly discharge volume is appx 2500 gal.

This inspection report is official notification that a representative of the Department of Environmental Resources, Bureau of Waste Management, inspected the above installation. The findings of this inspection are shown in this report. Any violations which were uncovered during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses and review of Department records. Notification will be forthcoming, confirming any violations indicated herein and listing any additional violations.

Person Interviewed (signature) mailed to facility Date 8-7-90
Inspector (signature) Carroll Date 8-7-90

Hazardous Waste Inspection Report
Comments - Part C

Date of Inspection 8-7-90 Identification Number PA D048603005
Company, Installation Name Projetown Landfill
County _____ Municipality _____

Daily records are maintained. The following items are checked daily: pH, temperature, water level in lagoons, equipment + pumps

Plant was shut down from 12-22-89 to 6-13-90.

Last analysis of leachate was 6-12-90. The analytical results are attached.

Facility must resume quarterly ground water monitoring and submit the results to the Bureau. A letter should be forwarded to the Department clarifying why sampling was discontinued and when you anticipate ~~resuming~~ the next round of sampling to be conducted.

This inspection report is official notification that a representative of the Department of Environmental Resources, Bureau of Waste Management, inspected the above installation. The findings of this inspection are shown in this report. Any violations which were uncovered during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses and review of Department records. Notification will be forthcoming, confirming any violations indicated herein and listing any additional violations.

Person Interviewed (signature) Mailed to Facility Date _____
Inspector (signature) Carol Kury Date 8-9-90

Hazardous Waste Inspection Report
Generators - Part A

/ Land Ban

Date of inspection 8-7-90 Time start _____ Time finish _____
 Name of inspector Carol Kurtz
 Company, installation name Bayertown Sanitary Landfill
 Location 300 Merkel Rd, Bayertown, Gilkentsville PA 19525
 County Montgomery Municipality Douglas Twp
 Identification number PAD 048603005
 Name of responsible official Warren Frame
 Title President / Owner
 Mailing address RD #1, Box 360, Glen Moore Pa 19343
 Area code and telephone number 215-458-5300
 Name of person interviewed John Kessler
 Title _____
 Mailing address (if different from above) same
 Area code and telephone number "

1. Current waste handling method:

- a. ☒ On-site ☒ treatment, ☒ storage, ☐ disposal ☐ PBR
 b. ☐ On-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim
 c. ☒ Off-site ☒ treatment, ☐ storage, ☒ disposal
 d. ☐ Off-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim

2. Amount of hazardous waste produced:

- a. approx 10,000 gal / mo ~~kg./mo.~~
 b. _____ kg./yr.

3. Types of hazardous waste produced by Hazardous Waste Number and destination facility (include location and type).

Waste Number	Destination Facility	Location and Type
<u>F039</u>	<u>Berks Mont. Municipal Authority</u>	<u>Sewage Treatment Plant</u>
<u>Multi Source</u>	<u>Leachate</u>	<u>Douglas Twp, Mont. Co.</u>

Hazardous Waste Inspection Report
Comments - Part C

Date of Inspection 8-7-90 Identification Number PADO48603005
Company, Installation Name Boyetown Sanitary Landfill
County _____ Municipality _____

*See TSD report for comments
Land ban inspection conducted.*

This inspection report is official notification that a representative of the Department of Environmental Resources, Bureau of Waste Management, inspected the above installation. The findings of this inspection are shown in this report. Any violations which were uncovered during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses and review of Department records. Notification will be forthcoming, confirming any violations indicated herein and listing any additional violations.

Person Interviewed (signature) *Mailed to facility* Date _____
Inspector (signature) *Carol Kuntz* Date *8-7-90*

AUG 10 1990

CERTIFICATE OF ANALYSIS



Tri-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215-327-4850
215-327-4852 Fax

Boyertown Sanitary Disposal/Frame
RD #1, Box 360
Glenmore, PA 19343

RMC Number : 3788
Sample Description: INFLUENT

Report No. : 901350
Sample Date: 06/12/90 at 10:30
Sampled By : LC
Received : 06/12/90
Reported : 07/02/90
P.O. Number: N/A

Repl	Parameter	Result	Date Anal Completed	Analyst	Method
1	ANTIMONY, TOTAL	<0.002 MG/L	06/14/90	JWG	EPA 7040
1	ARSENIC, TOTAL	0.004 MG/L	06/14/90	JWG	EPA 7060
1	BARIUM, TOTAL	0.7 MG/L	06/14/90	JWG	EPA 7080
1	BERYLLIUM, TOTAL	<0.0005 MG/L	06/13/90	JWG	EPA 7091
1	CADMIUM, TOTAL	<0.001 MG/L	06/13/90	JWG	EPA 7131
1	CHROMIUM, HEXAVALENT	<0.002 MG/L	06/13/90	BAK	EPA 7197
1	CHROMIUM, TOTAL	0.005 MG/L	06/14/90	JWG	EPA 7191
1	COPPER, TOTAL	<0.002 MG/L	06/14/90	JWG	EPA 7210, 7211
1	IRON, TOTAL	0.42 MG/L	06/14/90	BAK	EPA 7380
1	LEAD, TOTAL	<0.002 MG/L	06/13/90	BAK	EPA 7421
1	MERCURY, TOTAL	<0.0002 MG/L	06/15/90	BAK	EPA 7470, 7471
1	NICKEL, TOTAL	0.027 MG/L	06/14/90	BAK	EPA 249.2
1	SELENIUM, TOTAL	<0.002 MG/L	06/19/90	BAK	EPA 7740
1	SILVER, TOTAL	<0.002 MG/L	06/14/90	BAK	EPA 7760
1	THALLIUM, TOTAL	<0.002 MG/L	06/13/90	JWG	EPA 7841
1	ZINC, TOTAL	<0.02 MG/L	06/14/90	BAK	EPA 7950
1	AMMONIA, NITROGEN	30 MG/L	06/13/90	LWH	EPA 350.1
1	CYANIDE, TOTAL (WATER)	0.013 MG/L	06/19/90	LWH	EPA 339.3
1	PHENOLICS	0.011 MG/L	06/18/90	LWH	EPA 420.2
1	P.P.L. PESTICIDE AND PCB'S (WATER)	SEE ATTACHMENT	06/14/90	SDF	EPA 608
1	P.P.L. SEMI VOLATILES	SEE ATTACHMENT	06/20/90	LBK	EPA 625
1	P.P.L. VOLATILES (WATER)	SEE ATTACHMENT	06/19/90	PJY	EPA 524, 624
1	OIL AND GREASE (WATER)	<0.83 MG/L	06/13/90	DEM	EPA 9070, 413.2(1R)
1	BIOCHEMICAL OXYGEN DEMAND (5 DAY)	20 MG/L	06/18/90	CMH	EPA 405.1
1	COLOR, APPARENT	150 CLPT UNITS @ 8.13 PH	06/14/90	SPK	EPA 110.2
1	FLUORIDE	0.22 MG/L	06/20/90	SPK	EPA 340.2
1	PH	8.15 STANDARD	06/13/90	CH	EPA 9040, 9045
1	TOTAL DISSOLVED SOLIDS	1200 MG/L	06/14/90	DWK	EPA 160.1

Approved By:

Julia E. Dixon
Julia E. Dixon
Assistant Laboratory Manager

CERTIFICATE OF ANALYSIS



Tri-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215-327-4850
215-327-4852 FAX

Boyertown Sanitary Disposal/Frame
RD #1, Box 360
Glenmore, PA 19343

RMC Number : 3788
Sample Description: INFLUENT

Report No. : 901350
Sample Date: 06/12/90 at 10:30
Sampled By : LC
Received : 06/12/90
Reported : 07/02/90
P.O. Number: N/A

Repl	Parameter	Result	Date Anal Completed	Anal- yst	Method
4	TOTAL PHOSPHATE PHOSPHORUS	0.12 MG/L	06/14/90	LAC	EPA 365.3

Approved By:

Julie E. Dixon
Assistant Laboratory Manager

CERTIFICATE OF ANALYSIS

RMCENVIRONMENTAL
SERVICESTri-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215 • 327 • 4850
215 • 327 • 4852 FAXCLIENT: Boyertown Sanitary
CLIENT ID: Influent
RMC ID: 3788DATE RECEIVED: 6-12-90
DATE ANALYZED: 6-14-90
ANALYZED/VALIDATED BY: SDF

Pesticides

	<u>ug/l</u>		<u>ug/l</u>
a-BHC	<0.05	4,4'-DDD	<0.10
g-BHC	<0.05	endrin aldehyde	<0.10
b-BHC	<0.05	endosulfan sulfate	<0.10
d-BHC	<0.05	4,4'-DDT	<0.10
heptachlor	<0.05	chlordane	<0.5
aldrin	<0.05	toxaphene	<1.0
heptachlor epoxide	<0.05	PCB-1016	<0.5
endosulfan I	<0.05	PCB-1221	<0.5
4,4'-DDE	<0.10	PCB-1232	<0.5
dieldrin	<0.10	PCB-1242	<0.5
endrin	<0.10	PCB-1248	<0.5
endosulfan II	<0.10	PCB-1254	<1.0
		PCB-1260	<1.0

< x = Not detected; value indicates minimum quantifiable limit.

Approved By: James E. Dwyer

RMCENVIRONMENTAL
SERVICES**CERTIFICATE OF ANALYSIS**RMC Environmental Chemistry Laboratory
Semivolatile Analysis DataTH-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215 • 327 • 4850
215 • 327 • 4852 FaxCLIENT I.D. : INFLUENT
RMC I.D. : 3788Date Analyzed : 06/20/91
Analyzed By : LBK

COMPOUND	UG/L	CRQL	COMPOUND	UG/L	CRQL
N-Nitrosodimethylamine	U	10	4-Nitrophenol	U	50
bis(2-Chloroethyl)Ether	U	10	Fluorene	U	10
Phenol	U	10	Diethylphthalate	U	10
2-Chlorophenol	U	10	4-Chlorophenyl-phenylether	U	10
1,3-Dichlorobenzene	U	10	4,6-Dinitro-2-methylphenol	U	50
1,4-Dichlorobenzene	U	10	N-Nitrosodiphenylamine	U	10
1,2-Dichlorobenzene	U	10	1,2-Diphenyl Hydrazine	U	10
bis(2-chloroisopropyl)ether	U	10	4-Bromophenyl-phenylether	U	10
Hexachloroethane	U	10	Hexachlorobenzene	U	10
N-Nitroso-Di-n-propylamine	U	10	Pentachlorophenol	U	50
Nitrobenzene	U	10	Phenanthrene	U	10
Isophorone	U	10	Anthracene	U	10
2-Nitrophenol	U	10	Di-n-butylphthalate	2 J	10
2,4-Dimethylphenol	U	10	Fluoranthene	U	10
bis(2-Chloroethoxy)methane	U	10	Pyrene	U	10
2,4-Dichlorophenol	U	10	Benzidine	U	80
1,2,4-Trichlorobenzene	U	10	Butylbenzylphthalate	U	10
Naphthalene	U	10	Benzo(a)anthracene	U	10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20
4-Chloro-3-methylphenol	U	10	Chrysene	U	10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	2 J	10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10
2-Chloronaphthalene	U	10	Benzo(b)fluoranthene	U	10
Acenaphthylene	U	10	Benzo(k)fluoranthene	U	10
Dimethylphthalate	U	10	Benzo(a)pyrene	U	10
2,6-Dinitrotoluene	U	10	Indeno(1,2,3-cd)pyrene	U	10
Acenaphthene	U	10	Dibenzo(a,h)anthracene	U	10
2,4-Dinitrophenol	U	50	Benzo(g,h,i)perylene	U	10
2,4-Dinitrotoluene	U	10			

SURROGATE COMPOUNDS

2-Fluorophenol	42 %
Phenol-d5	38 %
Nitrobenzene-d5	66 %
2-Fluorobiphenyl	67 %
2,4,6-Tribromophenol	87 %
Terphenyl-d14	112 %

RECOVERY

CRQL = Contract Required Quantitation Limit

Qualifiers(J) Indicates detected below CRQL
(B) Indicates compound found in blank(U) Indicates compound not detected
(D) Indicates surrogates have been diluted outApproved By Carine Kardos



TH-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215-327-4850
215-327-4852 Fax

CERTIFICATE OF ANALYSIS

RMC Environmental Chemistry Laboratory
Volatile Organic Analysis Data

CLIENT I.D. : INFLUENT
RMC I.D. : 3788

Date Analyzed : 06/19/90
Analyzed By : PJY

COMPOUND	UG/L	CRQL
Chloromethane	U	10
Bromomethane	U	10
Vinyl Chloride	U	10
Chloroethane	U	10
Ethylene Chloride	U	5
Trichlorofluoromethane	U	5
1,1-Dichloroethane	U	5
1,1-Dichloroethane	U	5
1,2-Dichloroethane (total)	U	5
Chloroform	U	5
1,2-Dichloroethane	U	5
1,1,1-Trichloroethane	U	5
Carbon Tetrachloride	U	5
Bromodichloromethane	U	5
1,2-Dichloropropane	U	5

COMPOUND	UG/L	CRQL
cis-1,3-Dichloropropene	U	5
Trichloroethene	U	5
Benzene	U	5
Dibromochloromethane	U	5
1,1,2-Trichloroethane	U	5
trans-1,3-Dichloropropene	U	5
2-Chloroethylvinyl ether	U	10
Bromoform	U	5
Tetrachloroethane	U	5
1,1,2,2-Tetrachloroethane	U	5
Toluene	U	5
Chlorobenzene	U	5
Ethylbenzene	U	5
1,3-Dichlorobenzene	U	5
1,2 & 1,4-Dichlorobenzene	U	5

SURROGATE COMPOUNDS	RECOVERY
1,2-Dichloroethane-d4	<u>102</u> %
Toluene-d8	<u>109</u> %
Bromofluorobenzene	<u>112</u> %

CRQL = Contract Required Quantitation Limit

- Qualifiers
- (J) Indicates detected below CRQL
 - (U) Indicates compound not detected
 - (D) Indicates surrogates have been diluted out
 - (B) Indicates compound found in blank

Approved By Laine Kardus

CERTIFICATE OF ANALYSIS



TH-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215-327-4850
215-327-4852 Fax

Boyertown Sanitary Disposal/Frame
RD #1, Box 360
Glenmore, PA 19343

RMC Number : 3789
Sample Description: EFFLUENT

Report No. : 901330
Sample Date: 06/12/90 at 10:40
Sampled By : LC
Received : 06/12/90
Reported : 07/02/90
P.O. Number: N/A

Repl	Parameter	Result	Date Anal Completed	Anal- yst	Method
	ANTIMONY, TOTAL	<0.002 MG/L	06/14/90	JNO	EPA 7040
	ARSENIC, TOTAL	0.003 MG/L	06/14/90	JNO	EPA 7060
1	BARIUM, TOTAL	2.0 MG/L	06/14/90	JNO	EPA 7080
1	BERYLLIUM, TOTAL	<0.0005 MG/L	06/13/90	JNO	EPA 7091
1	CADMIUM, TOTAL	<0.001 MG/L	06/13/90	JNO	EPA 7131
1	CHROMIUM, HEXAVALENT	<0.002 MG/L	06/13/90	BAK	EPA 7197
1	CHROMIUM, TOTAL	0.005 MG/L	06/14/90	JNO	EPA 7191
1	COPPER, TOTAL	0.003 MG/L	06/14/90	JNO	EPA 7210, 7211
1	IRON, TOTAL	1.4 MG/L	06/14/90	BAK	EPA 7380
1	LEAD, TOTAL	<0.002 MG/L	06/13/90	BAK	EPA 7421
1	MERCURY, TOTAL	<0.0002 MG/L	06/15/90	BAK	EPA 7470, 7471
1	NICKEL, TOTAL	0.018 MG/L	06/14/90	BAK	EPA 249.2
1	SELENIUM, TOTAL	<0.002 MG/L	06/19/90	BAK	EPA 7740
1	SILVER, TOTAL	<0.002 MG/L	06/14/90	BAK	EPA 7760
1	THALLIUM, TOTAL	<0.002 MG/L	06/13/90	JNO	EPA 7841
1	ZINC, TOTAL	<0.02 MG/L	06/14/90	BAK	EPA 7950
1	AMMONIA, NITROGEN	8.6 MG/L	06/13/90	LWH	EPA 350.1
1	CYANIDE, TOTAL (WATER)	<0.005 MG/L	06/19/90	LWH	EPA 335.3
1	PHENOLICS	<0.005 MG/L	06/18/90	LWH	EPA 420.2
1	P.P.L. PESTICIDE AND PCB'S (WATER)	SEE ATTACHMENT	06/14/90	SOF	EPA 608
1	P.P.L. SEMI VOLATILES	SEE ATTACHMENT	06/20/90	LBK	EPA 625
1	P.P.L. VOLATILES (WATER)	SEE ATTACHMENT	06/19/90	PJY	EPA 524, 624
1	OIL AND GREASE (WATER)	<0.86 MG/L	06/13/90	DEH	EPA 9070, 413.2(1R)
1	BIOCHEMICAL OXYGEN DEMAND (5 DAY)	36 MG/L	06/18/90	CWH	EPA 405.1
1	COLOR, APPARENT	60 CLPT UNITS @ 7.55 PH	06/14/90	SPK	EPA 110.2
1	FLUORIDE	0.14 MG/L	06/20/90	SPK	EPA 340.2
1	PH	7.56 STANDARD	06/13/90	CH	EPA 9040, 9045
1	TOTAL DISSOLVED SOLIDS	1170 MG/L	06/14/90	DMK	EPA 160.1

Approved By:

Julia E. Dixon
Julia E. Dixon
Assistant Laboratory Manager

CERTIFICATE OF ANALYSIS

RMC

ENVIRONMENTAL
SERVICES

TH-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215-327-4850
215-327-4852 Fax

Boyertown Sanitary Disposal/Frame
RD #1, Box 360
Glenmore, PA 19343

RMC Number : 3789
Sample Description: EFFLUENT

Report No. : 901330
Sample Date: 06/12/90 at 10:40
Sampled By : LC
Received : 06/12/90
Reported : 07/02/90
P.O. Number: N/A

Repl	Parameter	Result	Date All Completed	Anal- yst	Method
	TOTAL PHOSPHATE PHOSPHORUS	0.09 MG/L	06/14/90	LAC	EPA 365.3

Approved By:

Twila E. Dixon
Twila E. Dixon
Assistant Laboratory Manager



CERTIFICATE OF ANALYSIS

Tri-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215-327-4850
215-327-4852 FAX

CLIENT: Boyertown Sanitary
CLIENT ID: Effluent
RMC ID: 3789

DATE RECEIVED: 6-12-90
DATE ANALYZED: 6-14-90
ANALYZED/VALIDATED BY: SDF

Pesticides

	<u>ug/l</u>		<u>ug/l</u>
a-BHC	<0.05	4,4'-DDD	<0.10
g-BHC	<0.05	enur'in aldehyde	<0.10
b-BHC	<0.05	endosulfan sulfate	<0.10
d-BHC	<0.05	4,4'-DDT	<0.10
heptachlor	<0.05	chlordane	<0.5
aldrin	<0.05	toxaphene	<1.0
heptachlor epoxide	<0.05	PCB-1016	<0.5
endosulfan I	<0.05	PCB-1221	<0.5
4,4'-DDE	<0.10	PCB-1232	<0.5
dieldrin	<0.10	PCB-1242	<0.5
endrin	<0.10	PCB-1248	<0.5
endosulfan II	<0.10	PCB-1254	<1.0
		PCB-1260	<1.0

< x = Not detected; value indicates minimum quantifiable limit.

Approved By: Julia E. Quinn

CERTIFICATE OF ANALYSIS

RMC Environmental Chemistry Laboratory
Semivolatile Analysis Data



Tri-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215-327-4850
215-327-4852 Fax

CLIENT I.D. : EFFLUENT
RMC I.D. : 3789

Date Analyzed : 06/20/90
Analyzed By : LEK

COMPOUND	UG/L	CRQL	COMPOUND	UG/L	CRQL
N-Nitrosodimethylamine	U	10	4-Nitrophenol	U	96
bis(2-Chloroethyl)Ether	U	10	Fluorene	U	10
Phenol	U	10	Diethylphthalate	U	10
2-Chlorophenol	U	10	4-Chlorophenyl-phenylether	U	10
1,3-Dichlorobenzene	U	10	4,6-Dinitro-2-methylphenol	U	96
1,4-Dichlorobenzene	U	10	N-Nitrosodiphenylamine	U	10
1,2-Dichlorobenzene	U	10	1,2-Diphenyl Hydrazine	U	10
bis(2-chloroisopropyl)ether	U	10	4-Bromophenyl-phenylether	U	10
Hexachloroethane	U	10	Hexachlorobenzene	U	10
N-Nitroso-Di-n-propylamine	U	10	Pentachlorophenol	U	96
Nitrobenzene	U	10	Phenanthrene	U	10
Isophorone	U	10	Anthracene	U	10
2-Nitrophenol	U	10	Di-n-butylphthalate	U	10
2,4-Dimethylphenol	U	10	Fluoranthene	U	10
bis(2-Chloroethoxy)methane	U	10	Pyrene	U	10
2,4-Dichlorophenol	U	10	Benidine	U	60
1,2,4-Trichlorobenzene	U	10	Butylbenzylphthalate	U	10
Naphthalene	U	10	Benzo(a)anthracene	U	10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20
4-Chloro-3-methylphenol	U	10	Chrysene	U	10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	U	10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10
2-Chloronaphthalene	U	10	Benzo(b)fluoranthene	U	10
Acenaphthylene	U	10	Benzo(k)fluoranthene	U	10
Dimethylphthalate	U	10	Benzo(a)pyrene	U	10
2,6-Dinitrotoluene	U	10	Indeno(1,2,3-cd)pyrene	U	10
Acenaphthene	U	10	Dibenzo(a,h)anthracene	U	10
2,4-Dinitrophenol	U	50	Benzo(a,h,i)perylene	U	10
2,4-Dinitrotoluene	U	10			

SURROGATE COMPOUNDS

SURROGATE COMPOUNDS	RECOVERY
2-Fluorophenol	29 %
Phenol-d5	33 %
Nitrobenzene-d5	81 %
2-Fluorobiphenyl	83 %
2,4,6-Tribromophenol	61 %
Terphenyl-d14	156 %

CRQL = Contract Required Quantitation Limit

Qualifiers

(J) Indicates detected below CRQL
(B) Indicates compound found in blank

(U) Indicates compound not detected
(D) Indicates surrogates have been diluted out

Approved By

Laine Kashner

CERTIFICATE OF ANALYSIS



Tri-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215-327-4850
215-327-4852 FAX

RMC Environmental Chemistry Laboratory
Volatile Organic Analysis Data

CLIENT I.D. : EFFLUENT

RMC I.D. : 3789

Date Analyzed : 06/19/90

Analyzed By : PJY

COMPOUND	UG/L	CRQL
Chloromethane	U	10
Bromomethane	U	10
Vinyl Chloride	U	10
Chloroethane	U	10
Methylene Chloride	U	5
Trichlorofluoromethane	U	5
1,1-Dichloroethene	U	5
1,1-Dichloroethane	U	5
1,2-Dichloroethene (total)	U	5
Chloroform	U	5
1,2-Dichloroethane	U	5
1,1,1-Trichloroethane	U	5
Carbon Tetrachloride	U	5
Bromodichloromethane	U	5
1,2-Dichloropropane	U	5

COMPOUND	UG/L	CRQL
cis-1,3-Dichloropropene	U	5
Trichloroethene	U	5
Benzene	U	5
Dibromochloromethane	U	5
1,1,2-Trichloroethane	U	5
trans-1,3-Dichloropropene	U	5
2-Chloroethylvinyl ether	U	10
Bromoform	U	5
Tetrachloroethene	U	5
1,1,2,2-Tetrachloroethane	U	5
Toluene	7	5
Chlorobenzene	U	5
Ethylbenzene	U	5
1,3-Dichlorobenzene	U	5
1,2 & 1,4-Dichlorobenzene	U	5

SURROGATE COMPOUNDS

1,2-Dichloroethane-d4

Toluene-d8

Bromofluorobenzene

RECOVERY

107 %

112 %

113 %

CRQL = Contract Required Quantitation Limit

Qualifiers

(J) Indicates detected below CRQL

(U) Indicates compound not detected

(D) Indicates surrogates have been diluted out

(B) Indicates compound found in blank

Approved By

Celine Kaschias



CERTIFICATE OF ANALYSIS

RMC Environmental Chemistry Laboratory
Semivolatile Analysis Data

Tri-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215-327-4850
215-327-4852 FAX

CLIENT I.D. : JC1054 METHOD BLANK
RMC I.D. : METHOD BLANK

Date Analyzed : 6/18/94
Analyzed By : PJY

COMPOUND	UG/L	CRQL	COMPOUND	UG/L	CRQL
N-Nitrosodimethylamine	U	10	4-Nitrophenol	U	50
bis(2-Chloroethyl)Ether	U	10	Fluorene	U	10
Phenol	U	10	Diethylphthalate	U	10
2-Chlorophenol	U	10	4-Chlorophenyl-phenylether	U	10
1,3-Dichlorobenzene	U	10	4,6-Dinitro-2-methylphenol	U	50
1,4-Dichlorobenzene	U	10	N-Nitrosodiphenylamine	U	10
1,2-Dichlorobenzene	U	10	1,2-Diphenyl Hydrazine	U	10
bis(2-chloroisopropyl)ether	U	10	4-Bromophenyl-phenylether	U	10
Hexachloroethane	U	10	Hexachlorobenzene	U	10
N-Nitroso-Di-n-propylamine	U	10	Pentachlorophenol	U	50
Nitrobenzene	U	10	Phenanthrene	U	10
Isophorone	U	10	Anthracene	U	10
2-Nitrophenol	U	10	Di-n-butylphthalate	U	10
2,4-Dimethylphenol	U	10	Fluoranthene	U	10
bis(2-Chloroethoxy)methane	U	10	Pyrene	U	10
2,4-Dichlorophenol	U	10	Benidine	U	60
1,2,4-Trichlorobenzene	U	10	Butylbenzylphthalate	U	10
Naphthalene	U	10	Benzo(a)anthracene	U	10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20
4-Chloro-3-methylphenol	U	10	Chrysene	U	10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	U	10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10
2-Chloronaphthalene	U	10	Benzo(b)fluoranthene	U	10
Acenaphthylene	U	10	Benzo(k)fluoranthene	U	10
Dimethylphthalate	U	10	Benzo(a)pyrene	U	10
2,6-Dinitrotoluene	U	10	Indeno(1,2,3-cd)pyrene	U	10
Acenaphthene	U	10	Dibenzo(a,h)anthracene	U	10
2,4-Dinitrophenol	U	50	Benzo(g,h,i)perylene	U	10
2,4-Dinitrotoluene	U	10			

SURROGATE COMPOUNDS

SURROGATE COMPOUNDS	RECOVERY
2-Fluorophenol	56 %
Phenol-d5	38 %
Nitrobenzene-d5	68 %
2-Fluorobiphenyl	76 %
2,4,6-Tribromophenol	75 %
Terphenyl-d14	105 %

CRQL = Contract Required Quantitation Limit

Qualifiers

(J) Indicates detected below CRQL
(B) Indicates compound found in blank

(U) Indicates compound not detected
(D) Indicates surrogates have been diluted out

Approved By

Laine Kardas



TH-County Business Campus
88 Robinson Street
Pottstown, PA 19464
215-327-4850
215-327-4852 Fax

CERTIFICATE OF ANALYSIS

RMC Environmental Chemistry Laboratory
Volatile Organic Analysis Data

CLIENT I.D. : 181836 METHOD BLANK
RMC I.D. : METHOD BLANK

Date Analyzed : 06/18/90
Analyzed By : PJY

COMPOUND	UG/L	CRQL
Chloromethane	U	10
Bromomethane	U	10
Vinyl Chloride	U	10
Chloroethane	U	10
Methylene Chloride	U	5
Trichlorofluoromethane	U	5
1,1-Dichloroethene	U	5
1,1-Dichloroethane	U	5
1,2-Dichloroethene (total)	U	5
Chloroform	U	5
1,2-Dichloroethane	U	5
2-Butanone	U	10
1,1,1-Trichloroethane	U	5
Carbon Tetrachloride	U	5
Bromodichloromethane	U	5
1,2-Dichloropropane	U	5

COMPOUND	UG/L	CRQL
cis-1,3-Dichloropropene	U	5
Trichloroethene	U	5
Benzene	U	5
Dibromochloromethane	U	5
1,1,2-Trichloroethane	U	5
trans-1,3-Dichloropropene	U	5
2-Chloroethylvinyl ether	U	10
Bromoforn	U	5
Tetrachloroethene	U	5
1,1,2,2-Tetrachloroethane	U	5
Toluene	U	5
Chlorobenzene	U	5
Ethylbenzene	U	5
1,3-Dichlorobenzene	U	5
1,2 & 1,4-Dichlorobenzene	U	5

SURROGATE COMPOUNDS	RECOVERY
1,2-Dichloroethane-d4	97 %
Toluene-d8	104 %
Bromofluorobenzene	104 %

CRQL = Contract Required Quantitation Limit

- Qualifiers
- (J) Indicates detected below CRQL
 - (U) Indicates compound not detected
 - (D) Indicates surrogates have been diluted out
 - (B) Indicates compound found in blank

Approved By Laine Kaedson

1509

RMC ENVIRONMENTAL SERVICES
Tri-County Business Campus, 80 Robinson Street
Pottstown, PA 19464, (215) 327-4850

Contact Phone# _____

[illegible]

5 Received Within
Holding Times
Y N
NOTES:

1 Present on Outer Package	Y	N
2 Unbroken on Outer Package	Y	N
3 Present on Sample	Y	N
4 Unbroken on Sample	Y	N
NOTES:	Y	N

Discrepancies Between
Sample Labels and COC
Record? - Y N
NOTES:

Special instructions:

[illegible]



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

1875 New Hope Street
Norristown, PA 19401
215-270-1948

August 21, 1990

Mr. Warren Frame
RD 1 Box 360
Glen Moore, PA 19343

Re: Boyertown Landfill
Hazardous Waste Inspection
PAD048603005
August 7, 1990
Douglass Twp, Montgomery Co.

NOTICE OF VIOLATION

Dear Mr. Frame:

This letter is to confirm the findings of the Department's referenced inspection of your hazardous waste activities. Requirements for hazardous waste facilities are contained in Chapters 75.260 through 75.267 of the Rules and Regulations of the Department. Violations of applicable sections of the regulations found during the inspection are as follows:

75.265(n)(2)

The owner or operator shall install, operate, and maintain a groundwater monitoring system. The groundwater monitoring program shall be conducted during the active life of the facility, and during the post-closure care period.

75.265(o)(11)(i)

Post-closure care shall continue for 30 years after the date of completing closure and shall consist of the following: groundwater monitoring and reporting in accordance with the requirements of subsection 75.265(n).

The Department has not received analytical results for sampling which should have occurred in the past three quarters--fourth quarter 1989, first and second quarter 1990. In conversations held with you, it was determined the sampling was not conducted.



Mr. Warren Frame

August 21, 1990

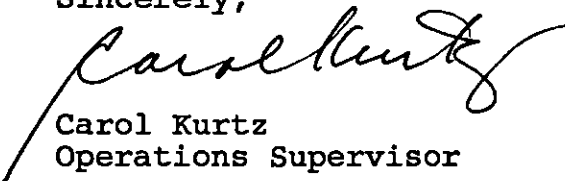
-2-

You are hereby notified of both the existence of these violations as well as the need to provide for their prompt correction. Toward this end, you are requested to submit to the Department within fourteen (14) days a proposed program and schedule for abatement of these violations.

This letter does not waive, either expressly or by implication, the power or authority of the Commonwealth of Pennsylvania to prosecute for any and all violations of law arising prior to or after the issuance of this letter or the conditions upon which the letter is based. This letter shall not be construed so as to waive or impair any rights of the Department of Environmental Resources, heretofore or hereafter existing.

This letter shall also not be construed as a final action of the Department of Environmental Resources.

Sincerely,



Carol Kurtz
Operations Supervisor

cc: Mr. Pagano
USEPA
relb249

1

SEP 25 1990